STONE FILTER WEIR
(see note nos. 7 & 8)

SECTION B - B
FOR HIGH VELOCITY FLOWS

STONE FILTER DAM
(see note nos. 9 through 11)

SECTION A - A

NOTE

1. SEE THE GENERAL NOTES FOR PERMANENT EROSION CONTROL STANDARD DRAWINGS ON 212-10.

2. PLACE STONE FILTER DAMS WHERE UPSTREAM GRADIENT OR EROSION IS ANTICIPATED, SUCH AS AT THE TOE OF SLOPES, UPSTREAM OF DRAINAGE STRUCTURES, DOWNSTREAM OF DRAINAGE STRUCTURES, OR BOTH IN ROADWAY DITCHES AND IN CHANNELS.

3. DIRECT THE OUTLET SIDE OF STONE FILTER DAMS INTO A STABILIZED AREA SUCH AS VEGETATION, STONE, OR BOTH.

4. EMBLE STONE FILTER DAMS A MINIMUM OF 4 INCHES INTO THE EXISTING EMBANKMENT.

5. ENSURE THAT BERMS, WEIRS, AND DAMS WITHIN THE CLEAR ZONE HAVE SLOPES OF 6:1 OR FLATTER UNLESS SHIELDED.

6. FILTER BERM MAY BE USED ON SLOPE TIES AROUND INLETS IN SMALL DITCHES, AND AT DITCH AND SWALE OUTLETS. THIS TYPE OF STONE FILTER BERM IS RECOMMENDED TO CONTROL SEDIMENT FROM A DRAINAGE AREA OF 5 ACRES OR LESS. FILTER BERM MAY NOT BE USED IN CONCENTRATED HIGH VELOCITY FLOWS (GREATER THAN 8FT./SEC.) IN WHICH AGGREGATE WASH-OUT MAY OCCUR. STONE DAMS MUST BE EMBEDDED AT THE FILTER DAM EDGES (4" OR MORE) FOR BETTER FILTERING EFFICIENCY WHEN CALLED FOR ON THE PLANS OR WHEN DIRECTED BY THE ENGINEER.

7. FILTER WEIRS, DAMS, OR BOTH MAY BE USED IN FILTERS AND AT DITCH AND SWALE OUTLETS.


9. SECURE FILTER WEIRS AND DAMS WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH (SEE NOTE NO. 9) TO THE EMBANKMENT. THE "V" NOTCH WEIR LENGTH SHOULD BE AT LEAST 2' MIN.

10. CONSTRUCT FILTER DAMS DOWNSTREAM FROM THE DISTURBED AREAS TO INTERCEPT SEDIMENT FROM OVERLAND RUNOFF, CONCENTRATED FLOW, OR BOTH. DAMS SHOULD BE SIZED TO FILTER A MAXIMUM FLOW RATE OF 60 GPM PER LINEAR FOOT OF DAM WIDTH.

11. USE FILTER DAMS IN STREAMS AND CHANNELS. SECURE TO THE STREAM BED AND EMBANKMENT EDGES.


13. NOT TO SCALE.